

IN THE CLAIMS

1. (Previously presented) A method of completion of a well, comprising:

attaching at least one auxiliary conduit or cable to a downhole assembly;

providing a connection to said conduit or cable;

running in said downhole assembly with said cable or conduit to a desired location in the well;

tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along said tubular's length from the surface;

communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis.

2. (Previously presented) A method of completion of a well, comprising:

attaching at least one auxiliary conduit or cable to a downhole assembly;

providing a connection to said conduit or cable;

running in said downhole assembly with said cable or conduit to a desired location in the well;

tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along its length from the surface;

communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis;

tagging into said downhole assembly on a subsequent trip with production tubing having at least one auxiliary cable or conduit which is also connectable to said connection of said cable or conduit on the downhole assembly;

communicating during production through auxiliary cable or conduit between the surface and the downhole assembly on a real time basis.

3. (Previously presented) A method of completion of a well, comprising:

attaching at least one auxiliary conduit or cable to a downhole assembly;

providing a connection to said conduit or cable;

running in said downhole assembly with said cable or conduit to a desired location in the well;

tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along its length from the surface;

communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis;

plugging said connection during said running in of the downhole assembly and auxiliary cable or conduit;

unplugging said connection with another trip into the well.

4. (Original) The method of claim 1, further comprising:

performing said tagging in without rotation.

5. (Previously presented) The method of claim 4, further comprising:

selectively locking any connection resulting from said tagging in.

6. (Original) The method of claim 1, further comprising:

configuring said auxiliary conduit or cable adjacent said downhole assembly in a manor which permits monitoring or altering adjacent well conditions or the functioning of the downhole assembly.

7. (Previously presented) A method of completion of a well, comprising:

attaching at least one auxiliary conduit or cable to a downhole assembly;

providing a connection to said conduit or cable;

running in said downhole assembly with said cable or conduit to a desired location in the well;

tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along its length from the surface;

communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis;

configuring said auxiliary conduit or cable adjacent said downhole assembly in a manor which permits monitoring or altering adjacent well conditions or the functioning of the downhole assembly;

using a gravel pack screen and packer for said downhole assembly extending said cable or conduit through said packer to said connection.

8. (Original) The method of claim 7, further comprising:

delivering gravel through said at least one of conduits.

9. (Previously presented) A method of completion of a well, comprising:

attaching at least one auxiliary conduit or cable to a downhole assembly;

providing a connection to said conduit or cable;

running in said downhole assembly with said cable or conduit to a desired location in the well;

tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along said tubular's length from the surface;

communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis;

using fiber optic as said cable.

10. (Previously presented) A method of completion of a well, comprising:

attaching at least one auxiliary conduit or cable to a downhole assembly;

providing a connection to said conduit or cable;

running in said downhole assembly with said cable or conduit to a desired location in the well;

tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along its length from the surface;

communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis;

using fiber optic as said cable;

using said fiber optic to measure a downhole condition on or about said downhole assembly.

11. (Original) The method of claim 1, further comprising:

using said auxiliary cable or conduit to operate at least a portion of said downhole assembly.

12. (Original) The method of claim 7, further comprising:

running in an outer jacket, assembled over said cable or conduit, together with said screen and packer.

13. (Original) The method of claim 7, further comprising:

running in at least one fiber optic cable on said screen;

using said fiber optic to determine fluid conditions flowing to said screen.

14. (Original) The method of claim 13, further comprising:

providing a winding inlet channel for inflow to said screen;

locating said fiber optic in said channel.

15. (Previously presented) A method of completion of a well, comprising:

attaching at least one auxiliary conduit or cable to a downhole assembly;

providing a connection to said conduit or cable;

running in said downhole assembly with said cable or conduit to a desired location in the well;

tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along said tubular's length from the surface;

communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis;

running said auxiliary conduit or cable in a U-shaped path so as to provide a pair of connections;

extending said U-shaped path to the surface as a result of said tagging, an auxiliary conductor or cable attached to a tubular run in from the surface, into a respective connection on a subsequent trip into the wellbore.

16. (Original) The method of claim 1, further comprising:

running at least one cable and at least one conduit auxiliary to the downhole assembly;
securing said cable to said conduit.

17. (Previously presented) A method of completion of a well, comprising:

attaching at least one auxiliary conduit or cable to a downhole assembly;
providing a connection to said conduit or cable;

running in said downhole assembly with said cable or conduit to a desired location in the well;

tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along said tubular's length from the surface;

communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis;

providing an external through on said downhole assembly;

mounting a fiber optic cable in said through.

18. (Previously presented) The method of claim 17, further comprising:

securely mounting said fiber optic cable to said through to allow real time sensing of a downhole condition on or about the downhole assembly.

19. (Previously presented) A method of completion of a well, comprising:

attaching at least one auxiliary conduit or cable to a downhole assembly;
providing a connection to said conduit or cable;

running in said downhole assembly with said cable or conduit to a desired location in the well;

tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along its length from the surface;

communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis;

mounting a fiber optic cable inside said conduit.

20. (Original) The method of claim 7, further comprising:

using a fiber optic cable to monitor the compaction of gravel per unit length of screen;

using a plurality of conduits for gravel deposition at different locations of said screen;

sensing downhole conditions during production through said screen using said fiber optic cable.